Combined Declaration and Power of Attorney for Patent Application

Docket Number: 0942.5450007/RWE/SJE

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled Viral Vectors Containing Recombination Sites, the specification of which is attached hereto unless the

followi	ng box is checked:				
\boxtimes	was filed on July 18, 2003	<u>3</u> ;			
	as United States Applicati	ion Number or PCT Inte	ernational Application Number 10/622,088	; and	
	was amended on		applicable).		
I hereby amende	y state that I have reviewed and by any amendment referre	and understand the control to above.	tents of the above identified specification, i	ncluding the cl	aims, as
continu	ation-in-part applications,	material information v	erial to patentability as defined in 37 C.F.I which became available between the file of the continuation-in-part application.	R. § 1.56, incluing date of the	ding for he prior
patent, at least box, an	inventor's or plant breeder' one country other than the	s rights certificate(s), o United States of Ameri ttent, inventor's or plar	§ 119(a)-(d) or (f) or § 365(b) of any for r § 365(a) of any PCT international applicaca, listed below, and have also identified to the breeder's rights certificate(s), or PCT in priority is claimed.	ation, which de below, by chec	signated king the
Prior Fo	oreign Applications(s):			Priority	Claimed
				Yes	☐ No
(Applic	ation No.)	(Country)	(Day/Month/Year Filed)		
(Applic	ation No.)	(Country)	(Day/Month/Year Filed)	☐ Yes	☐ No
applicate being: Robert (Esq., Robons 32, Michael Registra John M. Registra 34,395; Shea, Jr	Greene Sterne, Esq., Registregistration No. 29,021; Dav 893; Tracy-Gene G. Durkil B. Ray, Esq., Registration No. 36,688; Michael C. Covert, Esq., Registration Ition No. 35,086; Donald J. Michael V. Messinger, Esc., Esq., Registration No. 41,	ration No. 28,912; Edwid K.S. Cornwell, Esq., n, Esq., Registration No. 33,997; Robert Q. Lee, Esq., Registration No. 38,759; Linda E. Al Featherstone, Esq., Reg., Registration No. 37, Registration	sociated with CUSTOMER NUMBER 2 Trademark Office connected therewith, standard J. Kessler, Esq., Registration No. 25,68, Registration No. 31,944; Robert W. Esmoo. 32,831; Michele A. Cimbala, Esq., Re E. Sokohl, Esq., Registration No. 36,013 on No. 35,239; Steven R. Ludwig, Esq., Rocorn, Esq., Registration No. 39,588; Lawre gistration No. 33,876; Robert C. Millonig, 5,75; Judith U. Kim, Esq., Registration No. 59,987	88; Jorge A. Goond, Esq., Reg egistration No.; Eric K. Steff egistration No. ence B. Bugaish Esq., Registrat	oldstein, istration 33,851; fe, Esq., 36,203; ky, Esq., tion No.
Send Co	orrespondence to:	1100 New Y	OLDSTEIN & FOX P.L.L.C. 'ork Avenue, N.W. , D.C. 20005-3934		
Direct T	Celephone Calls to:	(202)	371-2600		

Full name of first Inventor:	Robert P. BENNETT	
Signature of first Inventor: Date:		
Residence:	Encinitas, CA	
Citizenship:	U.S.A.	
Mailing Address:	1269 Rainbow Ridge Lane, Encinitas, CA 92024	

Full name of second Inventor:	Peter J. WELCH	
Signature of second Inventor:	Date:	
Residence:	San Diego, CA	
Citizenship:	U.S.A.	
Mailing Address:	4689 E. Talmadge Drive, San Diego, CA 92116	

Full name of third Inventor:	Steven HARWOOD		
Signature of third Inventor:	Signature of third Inventor: Date:		
Residence:	Oceanside, CA		
Citizenship:	U.S.A.		
Mailing Address:	5672 Stetson Place, Oceanside, CA 92057		

Full name of fourth Inventor:	Knut MADDEN	
Signature of fourth Inventor:	Date:	
Residence:	Carlsbad, CA	
Citizenship:	U.S.A.	
Mailing Address:	2705 Glasgow Drive, Carlsbad, CA 92008	

Full name of fifth Inventor:	Kenneth FRIMPONG	
Signature of fifth Inventor:	7-7-	Date: 5/14/04
Residence:	San Diego, CA	
Citizenship:	GHANA	
Mailing Address:	4152 Camino Ticino, San Diego, CA 92122	

Full name of sixth Inventor:	Kenneth E. FRANKE	
Signature of sixth Inventor: Date:		
Residence:	Gaithersburg, MD	
Citizenship:	U.S.A.	
Mailing Address:	9934 Shelburne Terrace #308, Gaithersburg, MD 20878	

259077.1

MAY 2 1 2004 BY TRADEMAN

Combined Declaration and Power of Attorney for Patent Application

Docket Number: 0942.5450007/RWE/SJE

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled **Viral Vectors Containing Recombination Sites**, the specification of which is attached hereto unless the following box is checked:

Iollowii	ig box is checked:				
\boxtimes	was filed on July 18, 2003;				
	as United States Applicatio	n Number or PCT Internati	onal Application Number 10/622,088;	; and	
	was amended on	(if appli	cable).		
	state that I have reviewed ar d by any amendment referred		of the above identified specification, i	ncluding the cl	aims, as
continu	ation-in-part applications, m	aterial information which	to patentability as defined in 37 C.F.F. became available between the fil he continuation-in-part application.		
patent, at least box, an	inventor's or plant breeder's one country other than the U	rights certificate(s), or § 36 nited States of America, lient, inventor's or plant bre	9(a)-(d) or (f) or § 365(b) of any for 65(a) of any PCT international applicated below, and have also identified beder's rights certificate(s), or PCT in its its interest.	ation, which de below, by chec	signated king the
Prior Fo	reign Applications(s):			Priority	Claimed
(Applic	ation No.)	(Country)	(Day/Month/Year Filed)	Yes	☐ No
(Applic	ation No.)	(Country)	(Day/Month/Year Filed)	Yes	□ No
			ated with CUSTOMER NUMBER 2 emark Office connected therewith, su		
Esq., Re No. 32, Michael Registra John M. Registra 34,395;	egistration No. 29,021; David 893; Tracy-Gene G. Durkin, B. Ray, Esq., Registration Ition No. 36,688; Michael Q. Covert, Esq., Registration No. Ition No. 35,086; Donald J. F	K.S. Cornwell, Esq., Reg Esq., Registration No. 32 No. 33,997; Robert E. So Lee, Esq., Registration No. 38,759; Linda E. Alcorn eatherstone, Esq., Registra , Registration No. 37,575;	Kessler, Esq., Registration No. 25,68 istration No. 31,944; Robert W. Esm. 2,831; Michele A. Cimbala, Esq., Report, Registration No. 36,013 of 35,239; Steven R. Ludwig, Esq., Registration No. 39,588; Lawre ation No. 33,876; Robert C. Millonig, Judith U. Kim, Esq., Registration No. 39,987	ond, Esq., Reg egistration No.; Eric K. Steff egistration No. ence B. Bugaisl Esq., Registra	gistration 33,851; fe, Esq., 36,203; ky, Esq., tion No.
Send Co	orrespondence to:	Sterne, Kessler, Golds 1100 New York Washington, D.C	Avenue, N.W.		
Direct 7	elephone Calls to:	(202) 371	-2600		

Full name of first Inventor:	Robert P. BENNETT	
Signature of first Inventor:	Rolet P. Bonnett	_{Date:} 4/30/04
Residence:	Encinitas, CA	
Citizenship:	U.S.A.	
Mailing Address:	1269 Rainbow Ridge Lane, Encinitas, CA 92024	
Full name of second Inventor:	Peter J. WELCH	·
Signature of second Inventor:		Date:
Residence:	San Diego, CA	
Citizenship:	U.S.A.	
Mailing Address:	4689 E. Talmadge Drive, San Diego, CA 92116	
Full name of third Inventor:	Steven HARWOOD	
Signature of third Inventor:		Date:
Residence:	Oceanside, CA	
Citizenship:	U.S.A.	* ***
Mailing Address:	5672 Stetson Place, Oceanside, CA 92057	

Full name of fourth Inventor:	Knut MADDEN		
Signature of fourth Inventor: Date:			
Residence:	Carlsbad, CA		
Citizenship:	U.S.A.		
Mailing Address:	2705 Glasgow Drive, Carlsbad, CA 92008		

Full name of fifth Inventor:	Kenneth FRIMPONG	
Signature of fifth Inventor: Date:		
Residence:	San Diego, CA	
Citizenship:	U.S.A.	
Mailing Address:	4152 Camino Ticino, San Diego, CA 92122	

Full name of sixth Inventor:	Kenneth E. FRANKE		
Signature of sixth Inventor: Date:			
Residence:	Gaithersburg, MD		
Citizenship:	U.S.A.		
Mailing Address:	9934 Shelburne Terrace #308, Gaithersburg, MD 20878		

259077.1

As a below named inventor, I hereby declare that:

was filed on July 18, 2003;

Ø

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled <u>Viral Vectors Containing Recombination Sites</u>, the specification of which is attached hereto unless the following box is checked:

Docket Number: 0942.5450007/RWE/B-C

as United States awas amended on	Application Number or PCT Into	ernational Application Number 10/622,088;	and	
I hereby state that I have r amended by any amendme	eviewed and understand the con ent referred to above.	atents of the above identified specification, in	cluding the	claims, as
continuation-in-part applic	ations, material information wh	erial to patentability as defined in 37 C.F.R. ich became available between the filing date te of the continuation-in-part application.	§ 1.56, inclu of the prior	ding for
patent, inventor's or plant at least one country other t box, any foreign application	breeder's rights certificate(s), or han the United States of Americ	119(a)-(d) or (f) or § 365(b) of any foreign ar § 365(a) of any PCT international application, listed below, and have also identified below breeder's rights certificate(s), or PCT internal priority is claimed.	on, which de	signated
Prior Foreign Application(s)		Priority	Claimed
(Application No.)	(Country)	(Day/Month/Year Filed)	□ Yes	□ No
(Application No.)	(Country)	(Day/Month/Year Filed)	□ Yes	□ No

I hereby appoint the following attorney(s) and/or agent(s) associated with CUSTOMER NUMBER 28393 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, such attorneys currently being:

Robert G. Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michael A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688; Michael Q. Lee, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. No. 36,203; John M. Covert, Esq., Reg. No. 38,759; Linda E. Alcorn, Esq., Reg. No. 39,588; Lawrence B. Bugaisky, Esq., Reg. No. 35,086; Donald J. Featherstone, Esq., Reg. No. 33,876; Robert C. Millonig, Esq., Reg. No. 34,395; Michael V. Messinger, Esq., Reg. No. 37,575; Judith U. Kim, Esq., Reg. No. 40,679; Timothy J. Shea, Jr., Esq., Reg. No. 41,306; and Patrick E. Garrett, Esq., Reg. No. 39,987.

Send Correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. 1100 New York Avenue, N.W. Washington, D.C. 20005-3934 Direct Telephone Calls to:

(202) 371-2600

Full name of sole or first inventor	Robert P. BENNETT $ \mathcal{V} = \sqrt{2}^{ \alpha }$		
Signature of sole or first inventor			Date
Residence	Encinitas, CA	<u> </u>	· · · · · · · · · · · · · · · · · · ·
Citizenship	U.S.A.		
Mailing Address	1269 Rainbow Ridge Lane, Encinitas, CA 92024		
Full name of second inventor	Peter J. WELCH V		÷
Signature of second inventor	Otto 1. Whi	3/17/04	Date
Residence	San Diego, CA	······································	
Citizenship	U.S.A.		
Mailing Address	4689 E. Talmadge Drive, San Diego, CA 92116		
Full name of third inventor	Steven HARWOOD V		
Signature of third inventor			Date
Residence	Oceanside, CA		4
Citizenship	U.S.A.		
Mailing Address	5672 Stetson Place, Oceanside, CA 92057		

Full name of fourth inventor	Knut MADDEN	
Signature of fourth inventor		Date
Residence	Carlsbad, CA	
Citizenship	U.S.A	
Mailing Address	2705 Glasgow Drive, Carlsbad, CA 92008	
Full name of fifth inventor	Kenneth FRIMPONG	
Signature of fifth inventor		Date
Residence	San Diego, CA	
Citizenship	U.S.A.	
Mailing Address	4152 Camino Ticino, San Diego CA 92122	
Full name of sixth inventor	Kenneth E. FRANKE	
Signature of sixth inventor		
Residence	Gaithersburg, MD	
Citizenship	U.S.A.	
Mailing Address	9934 Shelburne Terrace #308, Gaithersburg, MD 20878	-

::ODMA/MHODMA/SKGF_DC1;194145;1 8KGF Rev, 12/1/81 east (Supply similar information and signature for subsequent joint inventors, if any)

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled <u>Viral Vectors Containing Recombination Sites</u>, the specification of which is attached hereto unless the following box is checked:

Docket Number: 0942.5450007/RWE/B-C

		national Application Number 10/622,088;	and	
I hereby state that I have rev amended by any amendment		nts of the above identified specification, in	ncluding the c	laims, as
continuation-in-part applicat	ions, material information whicl	ial to patentability as defined in 37 C.F.R. h became available between the filing date of the continuation-in-part application.		ling for
patent, inventor's or plant be at least one country other that box, any foreign application	eeder's rights certificate(s), or § in the United States of America,	19(a)-(d) or (f) or § 365(b) of any foreign § 365(a) of any PCT international applicat, listed below, and have also identified bel reeder's rights certificate(s), or PCT internationity is claimed.	ion, which de low, by check	signated ing the
Prior Foreign Application(s)			Priority	Claimed
(Application No.)	(Country)	(Day/Month/Year Filed)	□ Yes	□ No
(Application No.)	(Country)	(Day/Month/Voor Filed)	□ Yes	□ No

I hereby appoint the following attorney(s) and/or agent(s) associated with CUSTOMER NUMBER 28393 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, such attorneys currently being:

Robert G. Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michael A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg.No. 36,688; Michael Q. Lee, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. No. 36,203; John M. Covert, Esq., Reg. No. 38,759; Linda E. Alcorn, Esq., Reg. No. 39,588; Lawrence B. Bugaisky, Esq., Reg. No. 35,086; Donald J. Featherstone, Esq., Reg. No. 33,876; Robert C. Millonig, Esq., Reg. No. 34,395; Michael V. Messinger, Esq., Reg. No. 37,575; Judith U. Kim, Esq., Reg. No. 40,679; Timothy J. Shea, Jr., Esq., Reg. No. 41,306; and Patrick E. Garrett, Esq., Reg. No. 39,987.

Send Correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. 1100 New York Avenue, N.W. Washington, D.C. 20005-3934 Direct Telephone Calls to:

(202) 371-2600

Full name of sole or first inventor	Robert P. BENNETT 12 140	
Signature of sole or first inventor		Date
Residence	Encinitas, CA	
Citizenship	U.S.A.	
Mailing Address	1269 Rainbow Ridge Lane, Encinitas, CA 92024	
Full name of second inventor	Peter J. WELCH V	
Signature of second inventor		Date
Residence	San Diego, CA	
Citizenship	U.S.A.	
Mailing Address	4689 E. Talmadge Drive, San Diego, CA 92116	
Full name of third inventor	Steven HARWOOD *	
Signature of third inventor	Jenn Stews	Date 3=16-2004
Residence	Oceanside, CA	
Citizenship	U.S.A.	
Mailing Address	5672 Stetson Place, Oceanside, CA 92057	

Full name of fourth inventor	Knut MADDEN	
Signature of fourth inventor		Date
Residence	Carlsbad, CA	
Citizenship	U.S.A	
Mailing Address	2705 Glasgow Drive, Carlsbad, CA 92008	
Full name of fifth inventor	Kenneth FRIMPONG	
Signature of fifth inventor		Date
Residence	San Diego, CA	
Citizenship	U.S.A.	·
Mailing Address	4152 Camino Ticino, San Diego CA 92122	
Full name of sixth inventor	Kenneth E. FRANKE	
Signature of sixth inventor		
Residence	Gaithersburg, MD	
Citizenship	U.S.A.	
Mailing Address	9934 Shelburne Terrace #308, Gaithersburg, MD 20878	

::ODMA/MHODMA/SKGF_DC1;194145;1 8KGF Rev. (2014) max (Supply similar information and signature for subsequent joint inventors, if any)

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled Viral Vectors Containing Recombination Sites, the specification of which is attached hereto unless the following box is checked:

was filed on _Ji as United States was amended o		ernational Application Number 10/622,088;	and .·	
I hereby state that I have amended by any amended	reviewed and understand the con nent referred to above.	tents of the above identified specification, in	cluding the	claims, as
continuation-in-part appl	ications, material information wh	erial to patentability as defined in 37 C.F.R. ich became available between the filing date te of the continuation-in-part application.	§ 1.56, incluof the prior	ding for
patent, inventor's or plan at least one country other box, any foreign applicat	at breeder's rights certificate(s), or than the United States of Americ	119(a)-(d) or (f) or § 365(b) of any foreign ar § 365(a) of any PCT international applicational applicational applicational applicational listed below, and have also identified below breeder's rights certificate(s), or PCT international priority is claimed.	on, which de	esignated
Prior Foreign Application	n(s)		Priority	Claimed
(Application No.)	(Country)	(Day/Month/Year Filed)	□ Yes	□ No
(Application No.)	(Country)	(Day/Month/Year Filed)	□ Yes	□ No
I hereby appoint the follo application and to transac being:	wing attorney(s) and/or agent(s) a t all business in the Patent and Tr	associated with CUSTOMER NUMBER 28 ademark Office connected therewith, such a	1393 to prose ttorneys curr	cute this

Robert G. Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michele A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688; Michael Q. Lee, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. No. 36,203; John M. Covert, Esq., Reg. No. 38,759; Linda E. Alcorn, Esq., Reg. No. 39,588; Lawrence B. Bugaisky, Esq., Reg. No. 35,086; Donald J. Featherstone, Esq., Reg. No. 33,876; Robert C. Millonig, Esq., Reg. No. 34,395; Michael V. Messinger, Esq., Reg. No. 37,575; Judith U. Kim, Esq., Reg. No. 40,679; Timothy J. Shea, Jr., Esq., Reg.

Send Correspondence to:

No. 41,306; and Patrick E. Garrett, Esq., Reg. No. 39,987.

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. 1100 New York Avenue, N.W. Washington, D.C. 20005-3934

Direct Telephone Calls to:

(202) 371-2600

Full name of sole or first inventor	Robert P. BENNETT	
Signature of sole or first inventor		Date
Residence	Encinitas, CA	
Citizenship	U.S.A.	
Mailing Address	1269 Rainbow Ridge Lane, Encinitas, CA 92024	
		· · · · · · · · · · · · · · · · · · ·
Full name of second inventor	Peter J. WELCH	
Signature of second inventor		Date
Residence	San Diego, CA	
Citizenship	U.S.A.	
Mailing Address	4689 E. Talmadge Drive, San Diego, CA 92116	
Full name of third inventor	Steven HARWOOD	
Signature of third inventor		Date
Residence	Oceanside, CA	-
Citizenship	U.S.A.	
Mailing Address	5672 Stetson Place, Oceanside, CA 92057	

Full name of fourth inventor	Knut MADDEN	
Signature of fourth inventor	KAUL	3/16/64 Date
Residence	Carlsbad, CA	,
Citizenship	U.S.A	
Mailing Address	2705 Glasgow Drive, Carlsbad, CA 92008	*
Full name of fifth inventor	Kenneth FRIMPONG	
Signature of fifth inventor		Date
Residence	San Diego, CA	
Citizenship	U.S.A.	
Mailing Address	4152 Camino Ticino, San Diego CA 92122	
Full name of sixth inventor	Kenneth E. FRANKE	·
Signature of sixth inventor		
Residence	Gaithersburg, MD	
Citizenship	U.S.A.	
Mailing Address	9934 Shelburne Terrace #308, Gaithersburg, MD 20878	

::ODMA\MHODMA\SKGF_DC1;194145;1 8KGF Rev. 12/31/01 mac (Supply similar information and signature for subsequent joint inventors, if any)

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled <u>Viral Vectors Containing Recombination Sites</u>, the specification of which is attached hereto unless the following box is checked:

Docket Number: <u>0942.5450007/RWE/B-C</u>

89	was filed on <u>July 18, 20</u> as United States Applica was amended on <u></u>		Application Number <u>10/622,088;</u> and	d.	
I here	eby state that I have reviewed ded by any amendment refer	d and understand the contents of the red to above.	e above identified specification, inclu	iding the o	:laims, as
contu	nuation-in-part applications,	e information that is material to pate material information which became T international filing date of the co	entability as defined in 37 C.F.R. § 1 available between the filing date of ntinuation-in-part application.	.56, include the prior	ding for
at least box, a	t, inventor's or plant breeder st one country other than the my foreign application for p	r's rights certificate(s), or § 365(a) (United States of America, listed be	or (f) or § 365(b) of any foreign app of any PCT international application clow, and have also identified below, ights certificate(s), or PCT internation claimed.	, which de	signated
Prior	Foreign Application(s)			Priority	Claimed
(Appl	ication No.)	(Country)	(Day/Month/Year Filed)	□ Yes	□ No
(Appl	ication No.)	(Country)	(Day/Month/Year Filed)	□ Yes	□ No
I herei applic being:	ation and to transact all busi	orney(s) and/or agent(s) associated veness in the Patent and Trademark O	with CUSTOMER NUMBER 2839 ffice connected therewith, such attor	3 to prose meys curre	cute this ently
Esq., I Sokoh Ludwi B. Bug 34,395	l; David K.S. Cornwell, Esq Reg. No. 32,831; Michele A. I, Esq., Reg. No. 36,013; Er. g, Esq., Reg. No. 36,203; Jo gaisky, Esq., Reg. No. 35,08	., Reg. No. 31,944; Robert W. Esma Cimbala, Esq., Reg. No. 33,851; No. C. K. Steffe, Esq., Reg. No. 36,688; hn M. Covert, Esq., Reg. No. 38,756; Donald J. Featherstone, Esq., Reg., Reg. No. 37,575; Judith U. Kim,	g. No. 25,688; Jorge A. Goldstein, E ond, Esq., Reg. No. 32,893; Tracy-G fichael B. Ray, Esq., Reg. No. 33,99 Michael Q. Lee, Esq., Reg. No. 35,2 9; Linda E. Alcorn, Esq., Reg. No. 3 g. No. 33,876; Robert C. Millonig, E Esq., Reg. No. 40,679; Timothy J. S	ene G. Du 7; Robert 39; Stever 39,588; La	irkin, E. a R. wrence No

Send Correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. 1100 New York Avenue, N.W. Washington, D.C. 20005-3934 Direct Telephone Calls to:

(202) 371-2600

Full name of sole or first inventor	Robert P. BENNETT	
Signature of sole or first inventor		Date
Residence	Encinitas, CA	
Citizenship	U.S.A.	
Mailing Address	1269 Rainbow Ridge Lane, Encinitas, CA 92024	
		# L
Full name of second inventor	Peter J. WELCH	
Signature of second inventor		Date
Residence	San Diego, CA	
Citizenship	U.S.A.	
Mailing Address	4689 E. Talmadge Drive, San Diego, CA 92116	
	·	
Full name of third inventor	Steven HARWOOD	
Signature of third inventor		Date
Residence	Oceanside, CA	
Citizenship	U.S.A.	
Mailing Address	5672 Stetson Place, Oceanside, CA 92057	

Full name of fourth inventor	Knut MADDEN	
Signature of fourth inventor		Date
Residence	Carlsbad, CA	
Citizenship	U.S.A	
Mailing Address	2705 Glasgow Drive, Carlsbad, CA 92008	
Full name of fifth inventor	Kenneth FRIMPONG	
Signature of fifth inventor	X-72-	March 17, 2004
Residence	San Diego, CA	
Citizenship	U.S.A.	
Mailing Address	4152 Camino Ticino, San Diego CA 92122	
Full name of sixth inventor	Kenneth E. FRANKE	
Signature of sixth inventor		
Residence	Gaithersburg, MD	
Citizenship	U.S.A.	
Mailing Address	9934 Shelburne Terrace #308, Gaithersburg, MD 20878	

::ODMA\MHODMA\SKGF_DC1;194145;1 5KGF Rev 12/31/01 mac (Supply similar information and signature for subsequent joint inventors, if any)

Docket Number: 0942.5450007/RWE/SJE

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

inventic	on entitled Viral Vectors ng box is checked:	Containing Recombination	on Sites, the specification of which is atta	iched hereto ui	nless the
\boxtimes	was filed on July 18, 2	003;			
	as United States Appli	cation Number or PCT Interi	national Application Number 10/622,088;	and	
	was amended on	(if ap	oplicable).		
	state that I have reviewed by any amendment refe		nts of the above identified specification, in	ncluding the cl	aims, as
continu	ation-in-part application	s, material information wh	rial to patentability as defined in 37 C.F.R nich became available between the fili of the continuation-in-part application.	t. § 1.56, incluing date of the	ding for he prior
patent, at least box, an	inventor's or plant breed one country other than to y foreign application for	ler's rights certificate(s), or § the United States of America	119(a)-(d) or (f) or § 365(b) of any fore § 365(a) of any PCT international applica a, listed below, and have also identified b breeder's rights certificate(s), or PCT in riority is claimed.	tion, which de below, by chec	signated king the
Prior Fo	oreign Applications(s):			Priority	Claimed
(Applic	ation No.)	(Country)	(Day/Month/Year Filed)	☐ Yes	☐ No
(r ippiic	ation 140.)	(Country)	(Day/Monthly Teal Fried)	☐ Yes	☐ No
(Applic	ation No.)	(Country)	(Day/Month/Year Filed)		□ 110
applicate being: Robert (Esq., Ronologo 32, Michael Begistra John M. Registra 20, R	Greene Sterne, Esq., Regegistration No. 29,021; I 893; Tracy-Gene G. Du B. Ray, Esq., Registration No. 36,688; Michael Covert, Esq., Registration No. 35,086; Donald	gistration No. 28,912; Edward No. 28,912; Edward K.S. Cornwell, Esq., Frkin, Esq., Registration No. 33,997; Robert E. El Q. Lee, Esq., Registration No. 38,759; Linda E. Alcold J. Featherstone, Esq., Registration, Registration, Esq., Registration, Registration, Esq.,	rademark Office connected therewith, sured J. Kessler, Esq., Registration No. 25,68 Registration No. 31,944; Robert W. Esmo. 32,831; Michele A. Cimbala, Esq., Rej. Sokohl, Esq., Registration No. 36,013; No. 35,239; Steven R. Ludwig, Esq., Reom, Esq., Registration No. 39,588; Lawre stration No. 33,876; Robert C. Millonig,	38; Jorge A. Good, Esq., Registration No. Eric K. Steffe egistration No. nce B. Bugaisl Esq., Registrat	oldstein, gistration 33,851; fe, Esq., 36,203; ky, Esq., tion No.
			75; Judith U. Kim, Esq., Registration N sq., Registration No. 39,987	o. 40,072, III	nomy J.

Send Correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. 1100 New York Avenue, N.W. Washington, D.C. 20005-3934

Direct Telephone Calls to:

(202) 371-2600

Full name of first Inventor:	r: Robert P. BENNETT	
Signature of first Inventor:		Date:
Residence:	Encinitas, CA	
Citizenship:	U.S.A.	
Mailing Address:	1269 Rainbow Ridge Lane, Encinitas, CA 92024	

Full name of second Inventor:	Peter J. WELCH	
Signature of second Inventor:	Date:	
Residence:	San Diego, ĆA	
Citizenship:	U.S.A.	
Mailing Address:	4689 E. Talmadge Drive, San Diego, CA 92116	

Full name of third Inventor:	Steven HARWOOD	•
Signature of third Inventor:	·	Date:
Residence:	Oceanside, CA	
Citizenship:	U.S.A.	
Mailing Address:	5672 Stetson Place, Oceanside, CA 92057	

Appl No. 10/622,088 Docket No. 0942.5450007/RWE/SJE

Full name of fourth Inventor:	Knut MADDEN	
Signature of fourth Inventor:		Date:
Residence:	Carlsbad, CA	
Citizenship:	U.S.A.	
Mailing Address:	2705 Glasgow Drive, Carlsbad, CA 92008	
Full name of fifth Inventor:	Kenneth FRIMPONG	
Signature of fifth Inventor:		Date:
Residence:	San Diego, CA	
Citizenship:	U.S.A.	
Mailing Address:	4152 Camino Ticino, San Diego, CA 92122	
Full name of sixth Inventor:	Kenneth E. FRANKE	
Signature of sixth Inventor:	Medh E. Frankle	Date: 4/22/04
Residence:	Gaithersburg, MD	1 1
Citizenship:	U.S.A.	
Mailing Address:	9934 Shelburne Terrace #308, Gaithersburg, MD 20	0878

259077.1

PTO/SB/96 (08-03)
Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Resemble through of 1995, no persons are required to respond to a collection of Information unless it displays a valid OMB control number.

STATEM	ENT UNDER 37 CFR 3	.73(b) 0942.5450007/RWE/SJE
Applicant/Patent Owner: Bennett, et al.		
Application No./Patent No.: 10/622,088	Filed/Issue Date:	July 18, 2003
Entitled: Viral Vectors Containing Recombination	Sites	
Invitrogen Corporation	, a <u>corporation</u>	
(Name of Assignee)	(Type of Assignee, e.g., co	rporation, partnership, university, government agency, etc.)
states that it is: 1. the assignee of the entire right, title, and interest.	est; or	
2. an assignee of less than the entire right, title a The extent (by percentage) of its ownership in Identified above by virtue of either:	and interest. nterest is% in t	the patent application patent
A. [] An assignment from the inventor(s) of the pate was recorded in the Patent and Trademark Of a copy thereof is attached.	ent application/patent ident fice at Reel, F	ified above. The assignment Frame, or for which
OR		
B. [] A chain of title from the inventor(s), of the pate assignee as shown below:		
1. From:	To:	
The document was recorded in the Reel, Frame		
2. From: The document was recorded in the Reel, Frame	Patent and Trademark Offi , or for whi	ice at
From: The document was recorded in the limits.	To:	
The document was recorded in the line Reel, Frame	Patent and Trademark Office or for wh, or for wh	ce at nich a copy thereof is attached.
[] Additional documents in the chain of til		
[X] Copies of assignments or other documents in th [NOTE: A separate copy (i.e., the original assig must be submitted to Assignment Division in ac recorded in the records of the PTO. See MPEP	nment document or a true occurrent or a true o	copy of the original document)
The undersigned (whose title is supplied below) is a	uthorized to act on behalf o	of the assignee.
My 20, 2004		Alan W. Hammond
Date	/	Typed or printed flame
760-603-7200		Clan Hammer
Telephone number		Signature
		Chief IP Counsel Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: (1) Robert P. BENNETT, (2) Peter J. WELCH, (3) Steven HARWOOD, (4) Knut MADDEN, (5) Kenneth FRIMPONG and (6) Kenneth E. FRANKE, the undersigned inventors hereby sell and assign to Invitrogen Corporation, a corporation formed under the laws of Delaware (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

139 135,086 5/21/04

- (a) in the invention known as Viral Vectors Containing Recombination Sites for which application(s) for patent in the United States of America has (have) been executed by the undersigned on (1) 4/30/0 4 (2) (3) (4) (5) and (6) (also known as United States Application No. 10/622,088, filed July 18, 2003), in any and all applications thereon, in any and all Letters Patent(s) therefor, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR RECORDATION

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant Robert Greene Sterne, Esq., Registration No. 28,912; Edward J. Kessler, Esq., Registration No. 25,688; Jorge A. Goldstein, Esq., Registration No. 29,021; David K.S. Cornwell, Esq., Registration No. 31,944; Robert W. Esmond, Esq., Registration No. 32,893; Tracy-Gene G. Durkin, Esq., Registration No. 32,831; Michael A. Cimbala, Esq., Registration No. 33,851; Michael B. Ray, Esq., Registration No. 33,997; Robert E. Sokohl, Esq., Registration No. 36,013; Eric K. Steffe, Esq., Registration No. 36,688; Michael Q. Lee, Esq., Registration No. 35,239; Steven R. Ludwig, Esq., Registration No. 36,203; John M. Covert, Esq., Registration No. 38,759; Linda E. Alcorn, Esq., Registration No. 39,588; Lawrence B. Bugaisky, Esq., Registration No. 35,086; Donald J. Featherstone, Esq., Registration No. 33,876; Robert C. Millonig, Esq., Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; Patrick E. Garrett, Esq., Registration No. 39,987.; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Page 1 of 2

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: 4/36/04 Signature of Inventor: Call P. Bennett

(1) Robert P. BENNETT

Date: (2) Peter J. WELCH

Date: (3) Steven HARWOOD

Date: (4) Knut MADDEN

Date: (5) Kenneth FRIMPONG

Date: (6) Kenneth E. FRANKE

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): 1) Robert P. BENNETT 2) Peter J. WELCH 3) Steven HARWOOD 4) Knut MADDEN 5) Kenneth FRIMPONG and 6) Kenneth E. FRANKE, the undersigned inventor(s) hereby sell(s) and assign(s) to Invitrogen Corporation (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

☐ for the United States of America (as defined in 35 U.S.C. § 100),

and throughout the world,

193 Po \$ 35,086 5/21/04

(a) in the invention(s) known as V	iral Vectors Contai	ning Recom	bination Site	s for
which application(s) for patent in th	ne United States of Ar	merica has (h	ve) been eve	- cuted
by the undersigned on 1)	<u>2) 3/17/04</u>	3)	4)	
5) and 6)	also known as	United State	s Application	ı No
10/622,088, filed July 18, 2003),	in any and all appli	cations there	on, in any an	id all
Letters Patent(s) therefor, and				

- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s)

DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR RECORDATION

Page 1 of 2

thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; Linda E. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; Robert C. Millonig, Esquire, Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; and Patrick E. Garrett, Esq., Registration No. 39,987; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:	Signature of Inventor:	Robert P. BENNETT
Date: 3 17 04	Signature of Inventor:	Péter J. WELCH
Date:	Signature of Inventor:	Steven HARWOOD
Date:	Signature of Inventor:	Knut MADDEN
Date:	Signature of Inventor: _	Kenneth FRIMPONG
Date:	Signature of Inventor:	Kenneth E. FRANKE

DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR RECORDATION

::ODMA\MHODMA\SKGF_DC1;194139;1

DO NOT FORWARD
NOT FOR RECORDATION

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): 1) Robert P. BENNETT 2) Peter J. WELCH 3) Steven HARWOOD 4) Knut MADDEN 5) Kenneth FRIMPONG and 6) Kenneth E. FRANKE, the undersigned inventor(s) hereby sell(s) and assign(s) to Invitrogen Corporation (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

 in of the United States of America (as defined in 35 U.S.C. § 100),

 and throughout the world,

(a) in the invention(s) known as v	iral Vectors Containing Recombination Sites for
which application(s) for patent in the	ne United States of America has (have) been executed
by the undersigned on 1)	2)3)_3/16/0Y_4)
5) and 6)	also known as United States Application No.
10/622,088, filed July 18, 2003),	in any and all applications thereon, in any and all
Letters Patent(s) therefor and	i i i i i i i i i i i i i i i i i i i

- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s)

thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; Linda E. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; Robert C. Millonig, Esquire, Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; and Patrick E. Garrett, Esq., Registration No. 39,987; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:	Signature of Inventor:	Robert P. BENNETT
Date:	_ Signature of Inventor:	Peter J. WELCH
Date: 3/6-64	Signature of Inventor:	Steven HARWOOD
Date:	Signature of Inventor:	Knut MADDEN
Date:	Signature of Inventor:	Kenneth FRIMPONG
Date:	Signature of Inventor:	Kenneth E. FRANKE

DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR RECORDATION

::ODMA\MHODMA\SKGF_DC1;194139;1

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): 1) Robert P. BENNETT 2) Peter J. WELCH 3) Steven HARWOOD 4) Knut MADDEN 5) Kenneth FRIMPONG and 6) Kenneth E. FRANKE, the undersigned inventor(s) hereby sell(s) and assign(s) to Invitrogen Corporation (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

 afor the United States of America (as defined in 35 U.S.C. § 100),
 and throughout the world,

(a) in the invention(s) known as Vi	ral Vectors	Containing Recor	mbination Sites for		
which application(s) for patent in the United States of America has (have) been executed 183					
by the undersigned on 1)	2)	3)	4) 3/16/04	Du# 35.086	
5) and 6)	also kn	own as United Sta	ites Application No.	5/21/04	
10/622,088, filed July 18, 2003),	in any and a	ll applications the	reon in any and all	0, ,	
Letters Patent(s) therefor, and	•		, any and an		

- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s)

O ASSIGNMENT BRANCH NOT FOR RECORDATION

thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; Linda E. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; Robert C. Millonig, Esquire, Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; and Patrick E. Garrett, Esq., Registration No. 39,987; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:		Signature of Inventor:	Robert P. BENNETT
Date:		Signature of Inventor:	Peter J. WELCH
Date:		Signature of Inventor:	Steven HARWOOD
Date:	3/16/04	Signature of Inventor:	Knut MADDEN
Date:		Signature of Inventor:	Kenneth FRIMPONG
Date:		Signature of Inventor:	Kenneth E. FRANKE

DO NOT FORWARD TO ASSIGNMENT BRANCH

::ODMA\MHODMA\SKGF_DC1;194139;1

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): 1) Robert P. BENNETT 2) Peter J. WELCH 3) Steven HARWOOD 4) Knut MADDEN 5) Kenneth FRIMPONG and 6) Kenneth E. FRANKE, the undersigned inventor(s) hereby sell(s) and assign(s) to Invitrogen Corporation (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

☑ for the United States of America (as defined in 35 U.S.C. § 100), and throughout the world,

(a) in the invention(s) known as Viral Vectors Containing Recombination Sites for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 1) _ 2)_____ _ 3)_ 5) 3/12/04 and 6) _also known as United States Application No.

10/622,088, filed July 18, 2003), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable:

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s)

O ASSIGNMENT BRANCH NOT FOR RECORDATION

Page 1 of 2

thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michael A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; Linda E. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; Robert C. Millonig, Esquire, Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; and Patrick E. Garrett, Esq., Registration No. 39,987; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:		Signature of Inventor:	
	•		Robert P. BENNETT
Date:		Signature of Inventor:	
			Peter J. WELCH
Date:		Signature of Inventor: _	
			Steven HARWOOD
Date:		Signature of Inventor: _	Knut MADDEN
			\sim \sim \sim
Date:	March 17, 2004	Signature of Inventor:	Ja- F
			Kenneth FRIMPONG
			,
Date:		Signature of Inventor: _	
			Kenneth E. FRANKE

::ODMA\MHODMA\SKGF_DC1;194139;1

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: (1) Robert P. BENNETT, (2) Peter J. WELCH, (3) Steven HARWOOD, (4) Knut MADDEN, (5) Kenneth FRIMPONG and (6) Kenneth E. FRANKE, the undersigned inventors hereby sell and assign to Invitrogen Corporation, a corporation formed under the laws of Delaware (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention known as Viral Vectors Containing Recombination Sites for which application(s) for patent in the United States of America has (have) been executed by the undersigned on (1) (2) (3) (4) (5) and (6) 77 yer (also known as United States Application No. 10/622,088, filed July 18, 2003), in any and all applications less 35,086 thereon in any and all Letters Patent(s) therefor, and



- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any nonprovisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant Robert Greene Sterne, Esq., Registration No. 28,912; Edward J. Kessler, Esq., Registration No. 25,688; Jorge A. Goldstein, Esq., Registration No. 29,021; David K.S. Cornwell, Esq., Registration No. 31,944; Robert W. Esmond, Esq., Registration No. 32,893; Tracy-Gene G. Durkin, Esq., Registration No. 32,831; Michele A. Cimbala, Esq., Registration No. 33,851; Michael B. Ray, Esq., Registration No. 33,997; Robert E. Sokohl, Esq., Registration No. 36,013; Eric K. Steffe, Esq., Registration No. 36,688; Michael Q. Lee, Esq., Registration No. 35,239; Steven R. Ludwig, Esq., Registration No. 36,203; John M. Covert, Esq., Registration No. 38,759; Linda E. Alcorn, Esq., Registration No. 39,588; Lawrence B. Bugaisky, Esq., Registration No. 35,086; Donald J. Featherstone, Esq., Registration No. 33,876; Robert C. Millonig, Esq., Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; Patrick E. Garrett, Esq., Registration No. 39,987.; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this

Page 1 of 2

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date:	(1) Robert P. BENNETT
Date:	Signature of Inventor:(2) Peter J. WELCH
Date:	Signature of Inventor: (3) Steven HARWOOD
Date:	Signature of Inventor:(4) Knut MADDEN
Date:	Signature of Inventor: (5) Kenneth FR[MPONG
Date: 4/22/04	(5) Kenneth FRIMPONG Signature of Inventor: Company E. Frank (6) Kenneth E. FRANKE

259050.1